International application No.

l	INTERNATIONAL SEARCH REP	ORI	PCT/SE 2003/0020/1					
A. CLASSIFICATION OF SUBJECT MATTER								
IPC7: H04B 7/06 According to International Patent Classification (IPC) or to both national classification and IPC								
B. FIELD	S SEARCHED	·						
Minimum d	ocumentation searched (classification system followed by	y classification symbol	s)					
	104B, H01Q		·	<u>.</u> ·				
	ion searched other than minimum documentation to the I,NO classes as above	extent that such docu	ments are included i	n the fields searched				
				h A wand\				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)								
	FERNAL, WPI DATA, PAJ, INSPEC							
C. DOCU	MENTS CONSIDERED TO BE RELEVANT							
Category*	Citation of document, with indication, where app	vant passages	Relevant to claim No.					
Α	Signals, Systems and Computers, 2001. Conference Record of the Thirty-Fifth Asilomar Conference on pages 517-1524, Vol.2, Banister, B.C, Zeidler, J.R. Implementation of transmit antenna weight adaptation through stochastic gradient feedback, accession no. 7335603 paragraph 2.1		rence on dler, J.R.	1-7				
Α .	Wireless Communications, 2001. (IEEE Third Workshop on Signa on pages 314-317, Banister, A stochastic gradient algori antenna weight adaptation wi accesion no. 6978015, paragraphs 3.1 and figure 1	1-7						
X Further documents are listed in the continuation of Box C. X See patent family annex.								
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "C" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family								
Date of the actual completion of the international search Date of mailing of the international search report								
23 July		2 7 -07- 2004						
Name and	mailing address of the ISA/	Authorized officer						
Swedish	Patent Office , S-102 42 STOCKHOLM	FREDRIK BLOMQVIST/BS						
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INTERNATIONAL SEARCH REPORT

International application No.
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A .	Broadband Communications, 1998. Accessing, Transmission, Networking. Proceedings. 1998 International Zurich Seminar on pages 29-36, Halle, B., Algorithms and VLSI architectures for RLS-based time reference beamforming in mobile communications", accession no. 5991618, paragraphs 2,2.3,4, figure 4	1-7
A .	EP 1265377 A2 (NEC CORPORATION), 11 December 2002 (11.12.2002), paragraphs [0052-0065], figure 3	1-7
A	WO 03077491 A1 (KABUSHIKI KAISHA TOSHIBA), 18 Sept 2003 (18.09.2003), page 14, line 14 - page 23, line 23	1-7
		
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